

REPORT OF THE COUNCIL TO THE EIGHTY-EIGHTH ANNUAL
GENERAL MEETING OF THE SOCIETY.

The following table shows the progress and present state of
the Society:—

	Patron	Honorary Members	Fellows		Associates	Total
			Compounders	Annual Subscribers		
1906 December 31	I	3	260	409	48	721
Since elected ... ..	...	...	+4	+21	+1	...
Deceased ... ..	...	— 1	— 8	— 6	— 5	...
Resigned ... ..	...	...	...	— 3	...	...
Removals ... ..	...	...	+3	— 3	...	...
Expelled ... ..	...	...	...	— 1	...	...
1907 December 31	I	2	259	417	44	723

Major Hills' Account as Treasurer of the Royal

RECEIVED.

Balances, 1906 December 31 :—	£	s.	d.	£	s.	d.
At Bankers', as per Pass-book	14	1	0			
In hand of Assistant Secretary on Account of Turnor and Horrox Fund	4	6	0			
In hand of Assistant Secretary on Petty Cash Account	0	17	5			
					19	4 5
Dividends :—						
£1,250 Metropolitan 3-per-cent. Stock ...	35	12	8			
£1,964 12 7 Swansea Corporation 3½-per-cent. Stock	65	6	6			
£3,400 East Indian Railway 3-per-cent. De- benture Stock	96	18	0			
£3,200 London and North-Western Railway 3-per-cent. Debenture Stock	91	4	0			
£4,000 Midland Railway 2½-per-cent. Deben- ture Stock	95	0	0			
£500 Lancashire and Yorkshire Railway 3-per- cent. Consolidated Preference Stock ...	14	5	0			
£1,860 Gas Light and Coke Co. 3-per-cent. Debenture Stock	53	0	2			
£1,650 Commercial Gas Co. 3-per-cent. Deben- ture Stock	47	0	6			
					498	6 10
Received on account of Subscriptions :—						
Arrears	129	3	0			
Annual Contributions for 1907	573	6	0			
" " in advance	8	8	0			
Admission Fees	52	10	0			
First Contributions	36	15	0			
					800	2 0
Composition Fees... ..					175	7 0
Sales of Publications, &c. :—						
At Williams & Norgate's, 1906	44	18	1			
At Society's Rooms, 1906	108	5	2			
Sales of Photographs, 1907	54	17	0			
					208	0 3
Income Tax refunded by Commissioners of Inland Revenue					26	14 11
					£1,727	15 5

Examined and found correct.

RICHARD INWARDS.
G. J. NEWBEGIN.
A. E. CONRADY.

Astronomical Society, from 1907 January 1 to December 31.

PAID.

	£	s.	d.	£	s.	d.
Assistant Secretary : Salary	250	0	0			
Editing Society's Publications	50	0	0			
Clerk's Salary	75	0	0			
				375	0	0
House Duty	2	12	6			
Fire and Servants' Insurance	9	12	6			
				12	5	0
Printing, &c. :—						
<i>Monthly Notices</i> (Spottiswoode & Co.)	41	12	3			
" (Neill & Co.)	327	14	1			
Appendix to <i>Memoirs</i> (Harrison & Sons)	21	10	0			
List of Fellows (Neill & Co.)	15	16	0			
Miscellaneous (Spottiswoode & Co.)	16	7	6			
Photo-Engraving for <i>Monthly Notices</i> (A. E. Dent & Co.)	13	5	1			
				436	4	11
Turnor and Horrox Fund, purchase of books for Library	23	3	6			
Binding books in Library	38	17	4			
				62	0	10
Reproduction of Photographs (Hinton & Co.)				41	16	4
Cataloguing Astronomical Literature for the International Catalogue of Scientific Literature				30	0	0
Expenses of Meetings	20	7	11			
Lantern expenses	6	5	2			
Time Signal: rental of wire	5	0	0			
				31	13	1
Postage and Telegrams	94	2	10			
Carriage of Parcels	3	19	4			
Stationery and Office expenses	8	7	5			
" (Spottiswoode & Co.)	2	0	6			
				108	10	1
Album for Photographs of Associates				2	10	0
House expenses: Allowance and sundry expenses	59	0	9			
Coal and Gas	44	19	7			
Electric Light expenses	19	11	11			
Repairing Council-room Chairs (Shoolbred & Co.)	9	15	0			
Sundry Fittings and Repairs	9	13	4			
Sundries	3	18	1			
				146	18	8
Gold Medals (A. Wyon)				52	12	6
Cheque-book and bankers' charges on cheques				0	10	9
Balances, 1907 December 31 :—						
At Bankers', as per Pass-book	386	7	8			
Cheques not credited till 1908	27	2	0			
In hand of Assistant Secretary on account of—						
Turnor & Horrox Fund	6	2	6			
In hand of Assistant Secretary on Petty Cash Account	8	1	1			
				427	13	3
				£1,727	15	5

Report of the Auditors.

We have examined the Treasurer's account of receipts and expenditure for the year 1907, and have found and certified the same to be correct. The cash in hand on December 31, 1907, including the balance at the bankers', etc., amounted to £427, 13s. 3d.

The funded property of the Society is the same as at the end of the previous year, but we are glad to report an improvement in the financial position of the Society, as shown by the balance on December 31, which exceeds that of January 1, 1907, by more than £400.

We have examined the Stock Certificates and the Bank of England verification of the Inscribed Stock standing in the name of the Society.

The books, instruments, and other effects in the possession of the Society have been examined, and they appear to be in a satisfactory condition.

We have laid on the table a list of the names of those Fellows who are in arrear for sums due at the last Annual General Meeting of the Society, with the amount due against each Fellow's name.

(Signed) RICHARD INWARDS.
G. J. NEWBEGIN.
A. E. CONRADY.

Bequests to the General Funds of the Society.

The Carrington Bequest (1876): A sum of £2,000 Consols. Sold in 1899, and stands now in £1,881 14s. London and North-Western Railway 3-per-cent. Debenture Stock.

The McClean Bequest (1905): A sum of £2,000. Invested in Swansea Corporation 3½-per-cent. Stock.

The Farrar Bequest (1906): A sum of £100. Invested in Swansea Corporation 3½-per-cent. Stock.

The cost of reporting Professor Hale's lecture at the special evening meeting on June 26, 1907, was defrayed by Mr. Franklin-Adams.

Trust Funds.

The Turnor Fund: A sum of £464 18s. East Indian Railway 3-per-cent. Debenture Stock; the interest to be used in the purchase of books for the Library.

The Horrox Memorial Fund: A sum of £103 6s. East Indian Railway 3-per-cent. Debenture Stock; the interest to be used in the purchase of books for the Library.

The Hannah Jackson (née Gwilt) Fund: A sum of £309 18s. 6d. East Indian Railway 3-per-cent. Debenture Stock; the interest to be given in medals or other awards, in accordance with the terms of the Trust.

Balances, 1907 December 31 :—

	£	s.	d.	£	s.	d.
At Bankers', as per Pass-book	386	7	8			
Country cheques not credited till 1908 ...	27	2	0			
In hand of Assistant Secretary on account of Turnor and Horrox Fund	6	2	6			
In hand of Assistant Secretary on Petty Cash Account	8	1	1			
	<hr/>			427	13	3

4	Contributions of 6 years' standing	50	8	0
6	"	5	"	63	0	0
9	"	4	"	75	12	0
46	"	2	"	193	4	0
61	"	1	"	128	2	0
Other sums	6	6	0

Less Subscriptions paid in advance	...	...	516 12 0	
			8 8 0	
			<hr/>	508 4 0

Four Gold Medals.

Celestial Photographs.

The following is a list of reproductions of Celestial Photographs published by the Royal Astronomical Society for sale to the Fellows :—

R.A.S. Ref. No.	Subject.	Photographed by
1	Total Solar Eclipse, 1889 January 1	W. H. Pickering
2	Total Solar Eclipse, 1893 April 16	J. M. Schaeberle
3	Total Solar Eclipse, 1886 August 29	A. Schuster
4	Nebulæ in the <i>Pleiades</i>	Isaac Roberts
5	Nebula M 74 <i>Piscium</i> (N.G.C. 628)	Isaac Roberts
6	Great Nebula in <i>Orion</i>	Isaac Roberts
7	Milky Way near M 11	E. E. Barnard
8	Milky Way near Cluster in <i>Perseus</i>	E. E. Barnard
9	Comet <i>c</i> 1893 IV. (Brooks), 1893 October 21	E. E. Barnard
10	Comet <i>a</i> 1892 I. (Swift), 1892 April 7	E. E. Barnard
11	Nebula about η <i>Argus</i>	David Gill
12	Portion of Moon (Hyginus-Albategnius)	Loewy and Puiseux
13	Comet <i>c</i> 1893 IV. (Brooks), 1893 October 22	E. E. Barnard
14	Comet <i>c</i> 1893 IV. (Brooks), 1893 October 20	E. E. Barnard
15	Comet <i>c</i> 1893 IV. (Brooks), 1893 November 10	E. E. Barnard
16	Comet <i>a</i> 1892 I. (Swift), 1892 April 26	E. E. Barnard
17	Comet <i>f</i> 1892 III. (Holmes), 1892 November 10	E. E. Barnard
18	Comet <i>a</i> 1892 I. (Swift), 1892 April 18	E. E. Barnard
19	Portion of Moon (Alps, Apennines, &c.)	Loewy and Puiseux
20	Nebula in <i>Andromeda</i>	Isaac Roberts
21	<i>Jupiter</i> , 1892 September 26	Lick Observatory
22	Cluster M 13 <i>Herculis</i> (N.G.C. 6205)	W. E. Wilson
23	Total Solar Eclipse, 1893 April 16 (5 sec.)	J. Kearney
24	Total Solar Eclipse, 1893 April 16 (20 sec.)	J. Kearney
25	The Moon (Age 7 ^d 3 ^h)	Lick Observatory
26	The Moon (Age 12 ^d 6½ ^h)	Lick Observatory
27	The Moon (Age 16 ^d 18 ^h)	Lick Observatory
28	The Moon (Age 23 ^d 8 ^h)	Lick Observatory
29	The Sun, 1892 February 13	Roy. Obs., Greenwich
30	The Sun, 1892 July 8	Roy. Obs., Greenwich
31	Portion of Moon (Region of Maginus)	Loewy and Puiseux
32	The Moon (Age 14 ^d 1 ^h)	Lick Observatory
33	Portion of Moon (Ptolemæus, &c.)	Lick Observatory
34	Portion of Moon (Mare Serenitatis)	Lick Observatory
35	Portion of Moon (Clavius, Licetus, &c.)	Lick Observatory

R.A.S. Ref. No.	Subject.	Photographed by
36	Portion of Moon (Regiomontanus, &c.)	Lick Observatory
37	Portion of Moon (Tycho, Thebit, &c.)	Lick Observatory
38	Portion of Moon (Theophilus, &c.)	Lick Observatory
39	Total Solar Eclipse, 1896 August 9 (3 sec.)	S. Kostinsky
40	Total Solar Eclipse, 1896 August 9 (26 sec.)	A. Hansky
41	Cluster M 56 <i>Lyræ</i> (N.G.C. 6779)	
42	Nebulæ M 81, 82 <i>Ursæ Majoris</i> (N.G.C. 3031, 3034)	
43	Cluster M 56 <i>Lyræ</i> (N.G.C. 6779) (enlarged)	
44	Solar Corona, 1871 December 12, Baikul	H. Davis
45	Solar Corona, 1875 April 6, Siam	Lockyer and Schuster
46	Solar Corona, 1878 July 29, Wyoming	W. Harkness
47	Solar Corona, 1882 May 17, Egypt	Abney and Schuster
48	Solar Corona, 1883 May 6, Caroline Island	Lawrance and Woods
49	Solar Corona, 1885 Sept. 9, Wellington, N.Z.	Radford
50	Solar Corona, 1886 August 29, Grenada, W.I.	A. Schuster
51	Solar Corona, 1887 August 19, Japan	M. Sugiyama
52	Solar Corona, 1889 January 1, California	W. H. Pickering
53	Solar Corona, 1889 December 22, Cayenne	J. M. Schaeberle
54	Solar Corona, 1893 April 16, Fundium	J. Kearney
55	Solar Corona, 1893 April 16, Brazil	A. Taylor
56	Great Nebula in <i>Orion</i>	W. E. Wilson
57	Dumb-bell Nebula, <i>Vulpecula</i> (N.G.C. 6853)	W. E. Wilson
58	Spiral Nebula, <i>Canes Venatici</i> (N.G.C. 5194-5)	W. E. Wilson
59	Ditto (enlarged) (N.G.C. 5194)	W. E. Wilson
60	Annular Nebula, <i>Lyra</i> (N.G.C. 6720)	W. E. Wilson
61	Meteor Trail and Comet Brooks, 1893 Nov. 13	E. E. Barnard
62	Total Solar Eclipse, 1898 January 22 (5 sec.)	W. H. M. Christie
63	Total Solar Eclipse, 1898 January 22 (20 sec.)	W. H. M. Christie
64	Solar Corona, 1896 August 9, Novaya Zemlya	G. Baden-Powell
65	Solar Corona, 1898 January 22, Pulgaon, India	E. H. Hills
66	Nebula in <i>Andromeda</i>	Roy. Obs., Greenwich
67	Spectrum of Sun's Limb, 1898 January 22	E. H. Hills
68	Annual Nebula, <i>Lyra</i> (N.G.C. 6720)	Lick Observatory
69	Dumb-bell Nebula, <i>Vulpecula</i> (N.G.C. 6853)	Lick Observatory
70	Spiral Nebula, <i>Canes Venatici</i> (N.G.C. 5194-5)	Lick Observatory
71	Spiral Nebula, <i>Ursa Major</i> (N.G.C. 5457)	Lick Observatory
72	Trifid Nebula, <i>Sagittarius</i> (N.G.C. 6514)	Lick Observatory
73	Great Nebula in <i>Orion</i>	Lick Observatory
74	Cluster M 13 <i>Herculis</i> (N.G.C. 6205)	Lick Observatory
75	Solar Surface with Faculæ, 1893 August 7	G. E. Hale

R.A.S. Ref. No.	Subject.	Photographed by
76	Faculæ and Prominences, 1892 June 25	G. E. Hale
77	Total Solar Eclipse, 1898 Jan. 22 ($\frac{3}{8}$ sec.)	W. H. M. Christie
78	Nebula H V, 14 <i>Cygni</i> (N.G.C. 6992)	W. E. Wilson
79	Portion of Moon (Theophilus, &c.)	Yerkes Observatory
80	Total Solar Eclipse, 1900 May 28 (30 sec.)	E. E. Barnard
81	Comet 1901 I., 1901 May 4	Roy. Obs., Cape of G. H.
82	Comet 1901 I., 1901 May 6	Roy. Obs., Cape of G. H.
83	Comet 1901 I., 1901 May 9	Perth Obs., W. Australia
84	Solar Surface with Faculæ, 1895 August 18	H. Deslandres
85	Solar Prominences, 1894 April 11	H. Deslandres
86	Nebula about Nova <i>Persei</i> , 1901 Sept. 20	G. W. Ritchey
87	Nebula about Nova <i>Persei</i> , 1901 Nov. 13	G. W. Ritchey
88	Total Solar Eclipse, 1901 May 18 (10 sec.)	F. W. Dyson
89	Total Solar Eclipse, 1901 May 18 (40 sec.)	F. W. Dyson
90	Comet <i>b</i> 1902 III. (Perrine), 1902 Sept. 29	Roy. Obs., Greenwich
91	Portion of Moon (Mare Serenitatis, &c.)	Yerkes Observatory
92	Portion of Moon (Rough Crater Region, Mare Nubium)	Yerkes Observatory
93	Portion of Moon (Tycho, Theophilus, &c.)	Yerkes Observatory
94	Portion of Moon (Bullialdus to Copernicus)	Yerkes Observatory
95	Portion of Moon (Copernicus, enlarged)	Yerkes Observatory
96	Great Nebula in <i>Orion</i>	Yerkes Observatory
97	Great Nebula in <i>Orion</i> (Central portion)	Yerkes Observatory
98	Nebula in <i>Andromeda</i>	Yerkes Observatory
99	Nebula in <i>Cygnus</i> (N.G.C. 6960)	Yerkes Observatory
100	Nebula in <i>Cygnus</i> (N.G.C. 6992)	Yerkes Observatory
101	Cluster M 13 <i>Herculis</i> (N.G.C. 6205)	Yerkes Observatory
102	Cluster M 15 <i>Pegasi</i> (N.G.C. 7078)	Yerkes Observatory
103	Solar Surface with Faculæ, 1903 April 27	Yerkes Observatory
104	The Moon, 1900 April 5	P. Puiseux
105	The Moon, 1902 November 13	P. Puiseux
106	The Moon, 1903 February 6	P. Puiseux
107	The Moon, 1903 September 12	P. Puiseux
108	Nebulosity about 15 <i>Monocerotis</i>	E. E. Barnard
109	Milky Way about β <i>Cygni</i>	E. E. Barnard
110	Nebulosity near α <i>Cygni</i>	E. E. Barnard
111	Milky Way near χ <i>Cygni</i>	E. E. Barnard
112	Star Cloud in <i>Sagittarius</i>	E. E. Barnard
113	Milky Way in <i>Cepheus</i>	E. E. Barnard
114	Milky Way about M 8	E. E. Barnard

R.A.S. Ref. No.	Subject.	Photographed by
115	Milky Way about θ <i>Ophiuchi</i>	E. E. Barnard
116	Milky Way near N.G.C. 6475	E. E. Barnard
117	Great Nebula near ρ <i>Ophiuchi</i>	E. E. Barnard
118	Milky Way about 58 <i>Ophiuchi</i>	E. E. Barnard
119	Milky Way near <i>Omega</i> nebula	E. E. Barnard
120	Star Cloud in <i>Sagittarius</i>	E. E. Barnard
121	Nebula about ν <i>Scorpii</i>	E. E. Barnard
122	Sun, 1905 January 30	Roy. Obs., Greenwich
123	Sun-spot, 1905 January 30	Roy. Obs., Greenwich
124	Sun, 1905 January 31	Roy. Obs., Greenwich
125	Sun-spot, 1905 January 31	Roy. Obs., Greenwich
126	Sun, 1905 February 2	Roy. Obs., Greenwich
127	Sun-spot, 1905 February 2	Roy. Obs., Greenwich
128	Sun, 1905 February 3	Roy. Obs., Greenwich
129	Sun-spot, 1905 February 3	Roy. Obs., Greenwich
130	Sun, 1905 February 5	Roy. Obs., Greenwich
131	Sun-spot, 1905 February 5	Roy. Obs., Greenwich
132	Sun, 1905 February 8	Roy. Obs., Greenwich
133	Sun-spot, 1905 February 8	Roy. Obs., Greenwich
134	Nebula near ψ <i>Eridani</i> , 1905 January 8	Max Wolf
135	Nebula M 33 <i>Trianguli</i> (N.G.C. 598)	Isaac Roberts
136	Nebula in <i>Perseus</i> (N.G.C. 1499)	Isaac Roberts
137	Nebula in <i>Monoceros</i> (N.G.C. 2237-9)	Isaac Roberts
138	Nebula \mathfrak{H} V. 24 <i>Comæ</i> (N.G.C. 4565)	Isaac Roberts
139	Nebulæ \mathfrak{H} V. 42, &c., <i>Comæ</i> (N.G.C. 4631)	Isaac Roberts
140	Nebulæ \mathfrak{H} V. 37 <i>Cygni</i> (N.G.C. 7000 ?)	Isaac Roberts
141	Nebula Index Cat. 405 <i>Persei</i>	Isaac Roberts
142	Clusters in <i>Perseus</i> (N.G.C. 869, 884)	Isaac Roberts
143	Cluster \mathfrak{H} VI. 30 <i>Cassiopeiae</i> (N.G.C. 7789)	Isaac Roberts
144	Eclipse, 1905 August 30 (5 sec.)	W. H. M. Christie
145	Eclipse, 1905 August 30 (20 sec.)	W. H. M. Christie
146	Eclipse, 1905 August 30 (7 sec.)	W. H. M. Christie
147	Eclipse, 1905 August 30 (20 sec.)	W. H. M. Christie
148	Eclipse, 1905 August 30 (Portion)	W. H. M. Christie
149	Region of Nebula ρ <i>Ophiuchi</i>	E. E. Barnard
150	Nebula ρ <i>Ophiuchi</i> (enlarged)	E. E. Barnard
151	Region of θ <i>Ophiuchi</i>	E. E. Barnard
152	Great Rift near θ <i>Ophiuchi</i>	E. E. Barnard
153	Great Star Cloud in <i>Sagittarius</i>	E. E. Barnard
154	Small Star Cloud in <i>Sagittarius</i>	E. E. Barnard

R.A.S. Ref. No.	Subject.	Photographed by
155	Region of Cluster M 11	E. E. Barnard
156	Sun-spots, 1906 July 6	Roy. Obs., Greenwich
157	Sun-spot, 1906 July 31	Roy. Obs., Greenwich
158	Sun-spot, 1906 August 30	Roy. Obs., Greenwich
159	Eclipse, 1905 August 3 (large prominence)	De la Baume Pluvinel

Nos. 44-55, Nos. 64, 65, and No. 147 form a series of corona photographs, oriented and reduced to the same scale.

The above photographs are now on sale to Fellows as prints, either platinotype or aristotype, mounted on sunk cut-out mounts, measuring 12 inches by 10 inches; also unmounted, and as lantern slides. Nos. 44-55 and Nos. 64 and 65 are also supplied as transparencies, $6\frac{1}{4}$ inches square.

Price of prints, mounted 1s. 6d. each, unmounted 1s. each; lantern slides, 1s. each; packing and postage extra.

Transparencies, $6\frac{1}{4}$ inches square (Nos. 44-55 and Nos. 64 and 65), 3s. 6d. each.

Orders to be addressed to W. H. Wesley, Burlington House, London, W. In ordering prints or slides the R.A.S. Reference No. only need be quoted, but in the case of prints it should be stated whether platinotypes or aristotypes are required, and whether mounted or unmounted.

The Gold Medal.

The Council have awarded the Gold Medal of the Society to Sir David Gill, K.C.B., for his Contributions to the Astronomy of the Southern Hemisphere and his other Astronomical Work. The President, in his Address to the Society, gives the grounds upon which the award has been founded.

Publications of the Society.

During the past year vol. lxvii. of the *Monthly Notices* has been issued.

The following paper, reprinted from the *Philosophical Transactions* of the Royal Society, has been issued as an appendix to the *Memoirs*:—

F. W. Dyson, Determination of Wave-length from Spectra obtained at the total solar eclipses of 1900, 1901, 1905.